

AMENDMENTS TO THE DRAWINGS:

The attached sheet of drawings includes changes to Fig. 1. This sheet replaces the original sheet including Fig. 1. In Fig. 1, reference numerals 10' and 12' have been added.

Attachment: Replacement Sheet

REMARKS

The office action of January 31, 2007, has been carefully considered.

It is noted that the application is objected to for not containing section headings.

The drawings are objected to for using the same reference numeral for different elements.

The specification is object to under 35 U.S.C. 112, first paragraph.

Claims 1 and 4-8 are rejected under 35 U.S.C. 112, first and second paragraphs.

Claims 1 and 8 are rejected under 35 U.S.C. 103(a) over either the patent to Tsune et al. or the patent to Shrum, and further in view of the patent to Arvedi et al.

Claims 4-7 are rejected under 35 U.S.C. 103(a) over Tsune et

al. or Shrum, in view of Arvedi et al., and further in view of the patent to Striuli et al.

In view of the Examiner's objection to the drawings, applicant has enclosed herewith a replacement sheet containing Fig. 1, in which the reference numerals 10' and 12' have been added. No new matter is added by these changes.

In view of these considerations it is respectfully submitted that the objection to the drawings is overcome and should be withdrawn.

In connection with the objection to the specification under 35 U.S.C. 112, first paragraph, applicant has amended the paragraphs mentioned by the Examiner in an effort to more clearly recite the invention.

In view of these considerations it is respectfully submitted that the objection to the specification and the rejection of claims 1 and 4-8 under 35 U.S.C.112, first paragraph are overcome and should be withdrawn.

In view of the Examiner's rejections of the claims, applicant

has amended claims 1, 4, 7 and 8.

It is respectfully submitted that the claims now on file particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant has amended the claims to address the instances of indefiniteness pointed out by the Examiner.

In view of these considerations it is respectfully submitted that the rejection of claims 1 and 4-8 under 35 U.S.C. 112, second paragraph is overcome and should be withdrawn.

It is respectfully submitted that the claims presently on file differ essentially and in an unobvious, highly advantageous manner from the constructions disclosed in the references.

Applicant has carefully reviewed each of the cited references. Applicant submits that the combinations argued by the Examiner do not teach a continuous casting mold having an inner geometrical cross-section form and associated dimensions that are designed analogous to a locally deducible quantity of a solidification heat for the continuous casting according to a temperature progression diagram along the mold height, as in the

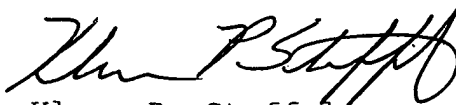
presently claimed invention. There is no teaching in the references of a mold having the above-mentioned features, together with the remaining features recited in the claim.

In view of these considerations it is respectfully submitted that the rejections of claims 1-8 under 35 U.S.C. 103(a) is overcome and should be withdrawn.

Reconsideration and allowance of the present application are respectfully requested.

Any additional fees or charges required at this time in connection with this application may be charged to Patent and Trademark Office Deposit Account No. 11-1835.

Respectfully submitted,

By 

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450 Alexandria, VA 22313-1450, on January 19, 2008.

By: 
Klaus P. Stoffel

Date: January 19, 2008